

BAM-E013 Elastomer ISO 13226 SRE-VMQ/1X

Safety Data Sheet

according to Regulation (EU) 2020/878

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : BAM-E013 Elastomer ISO 13226 SRE-VMQ/1X

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : hydraulic and automotive area (vulcanized with peroxide)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

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Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
Germany	Giftnotruf der Charité Universitätsmedizin Berlin	Oranienburger Straße 285 13437 Berlin	+49 30 30686700 (German, English) only in Germany; in all other cases use the information below

Information on national poison control centres within the EU can be found under the member states information on their national helpdesks:

<http://echa.europa.eu/de/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

Global information on poison centres can be found at the WHO homepage: http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Reproductive toxicity, Category 1B H360D

Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

May damage the unborn child. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Not required, mixture containing elastomer which does not present a hazard to human health by inhalation, ingestion or contact with skin or to the aquatic environment. Exception to the labelling requirement according to Annex I, 1.3.4.1.

2.3. Other hazards

No additional information available

SECTION 3 : Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Kieselguhr, soda ash flux-calcined	(CAS No) 68855-54-9 (EC No) 272-489-0 (REACH No) 01-2119488518-22-XXXX	10 - 20	Not classified

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
bis(α,α -dimethylbenzyl) peroxide	(CAS No) 80-43-3 (EC No) 201-279-3 (EC index No) 617-006-00-X	< 3	Org. Perox. F, H242 Eye Irrit. 2, H319 Repr. 1B, H360D Skin Irrit. 2, H315 Aquatic Chronic 2, H411

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Give 2-3 glasses of water to drink.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May damage the unborn child.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Foam. Extinguishing powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Avoid breathing dust.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : On land, sweep or shovel into suitable containers. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Provide adequate ventilation. Avoid breathing dust. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
- Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Store in dry, cool, well-ventilated area. Keep container closed when not in use. Store in a dark area. Store locked up.
- Incompatible materials : Keep away from any flames or sparking source. Keep out of direct sunlight.
- Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8 : Exposure controls/personal protection

8.1. Control parameters

Kieselguhr, soda ash flux-calcined (68855-54-9)		
Ireland	Local name	Diatomaceous earth, natural, respirable dust
Ireland	OEL (8 hours ref) (mg/m ³)	1.2 mg/m ³
United Kingdom	Local name	Diatomaceous earth, natural, respirable dust
United Kingdom	WEL TWA (mg/m ³)	1.2 mg/m ³

Kieselguhr, soda ash flux-calcined (68855-54-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	0.05 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, inhalation	0.05 mg/m ³
Long-term - systemic effects, oral	18.7 mg/kg bodyweight/day
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

bis(α,α-dimethylbenzyl) peroxide (80-43-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	5.6 mg/m ³
Long-term - systemic effects, dermal	0.8 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects, dermal	0.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.4 mg/m ³
Long-term - systemic effects, oral	0.4 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	2.34 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	2.24 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.447 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.2. Exposure controls

- Appropriate engineering controls : Provide local exhaust or general room ventilation.
- Hand protection : Wear suitable gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Latex. Nitrile rubber. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection : Chemical goggles or safety glasses (EN 166).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of inadequate ventilation wear respiratory protection. Dust production: dust mask with filter type P1.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Solid
- Colour : Black
- Odour : Odourless
- Melting point/freezing point : No data available
- Boiling point or initial boiling point and boiling range : No data available

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Flammability	: Non flammable
Lower and upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
pH	: No data available
Kinematic viscosity	: Not applicable
Solubility	: No data available
Partition coefficient n-octanol/water (log value)	: No data available
Vapour pressure	: No data available
Density and/or relative density	: 1.26 - 1.30 g/cm ³ (ISO 2781)
Relative vapour density	: Not applicable
Particle characteristics	: No data available

9.2. Other information

Explosive properties	: No data available
Oxidising properties	: No data available
Hardness	: 68 - 73 Shore A (ISO 48-4) 68 - 73 IRHD (ISO 48-2)
Tensile strength	: 7 - 9 MPa (ISO 37)
Elongation at break	: 350 - 450 % (ISO 37)

SECTION 10 : Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity	: Not classified
	Based on available data, the classification criteria are not met

bis(α,α-dimethylbenzyl) peroxide (80-43-3)	
LD50 oral rat	> 2000 mg/kg (OECD 401)
LD50 dermal rat	> 2000 mg/kg (OECD 402)

Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified
	Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
	Based on available data, the classification criteria are not met
Reproductive toxicity	: May damage the unborn child.
Specific target organ toxicity (single exposure)	: Not classified
	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified
	Based on available data, the classification criteria are not met

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Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

11.2. Information on other hazards

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

bis(α,α-dimethylbenzyl) peroxide (80-43-3)

EbC50 algae	> 20 mg/l 72 h, Pseudokirchneriella subcapitata (OECD 201)
NOEC algae	3.2 mg/l 72 h, Pseudokirchneriella subcapitata (OECD 201)

12.2. Persistence and degradability

bis(α,α-dimethylbenzyl) peroxide (80-43-3)

Persistence and degradability	Inherently biodegradable.
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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods : Do not dispose of with domestic waste. Do not empty into drains. This material and its container must be disposed of as hazardous waste.
European List of Waste (LoW) code : 07 02 13 - waste plastic

SECTION 14 : Transport information

In accordance with ADR / IMDG / IATA

14.1. UN number or ID number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable

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Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

14.6.2. Transport by sea

14.6.3. Air transport

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16 : Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Changes compared to the previous version : Section 1.4.
Section 2.2.

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No-Effect Concentration
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS	Safety Data Sheet
STP	Sewage Treatment Plant
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-phrases:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Org. Perox. F	Organic Peroxides, Type F
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H242	Heating may cause a fire
H315	Causes skin irritation

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H319	Causes serious eye irritation
H360D	May damage the unborn child
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.